



IAP15 Rec'd PCT/PTO 28 SEP 2006

Atty. Dkt. No. 071949-9701

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: TRAN et al.
Title: IMMUNE RESPONSE-
ASSOCIATED PROTEINS
Appl. No.: 10/535635 ✓
Filing Date: 11/25/2003
Examiner: Unassigned
Art Unit: 1644
Confirmation Number: 7561

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date Sept 28, 2006

FOLEY & LARDNER LLP
Customer No. 22428
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By Michele M. Simkin

Michele M. Simkin
Attorney for Applicant
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SEP 28 2006
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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

Complete if Known

Date Submitted: September 28, 2006

(use as many sheets as necessary)

Application Number	10/535,635
Filing Date	11/25/2003
First Named Inventor	Uyen K. Tran
Group Art Unit	1644
Examiner Name	Unassigned
Attorney Docket Number	071949-9701

Sheet 1 of 14

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	T ⁶
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Examiner SigNature		Date Considered	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 28, 2006 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/535,635
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				First Named Inventor	Uyen K. Tran
				Group Art Unit	1644
				Examiner Name	Unassigned
				Attorney Docket Number	071949-9701
Sheet	2	of	14		

		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B1		WO84/03564		COMMW SERUM LAB COMMISSION (AU)	1984-09-13		
	B2		WO95/25116		CALIFORNIA INST OF TECHN (US)	1995-09-21		
	B3		WO95/35505		UNIV LELAND STANFORD JUNIOR (US)	1995-12-28		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
	C1	Adam, M.A. et al, "Identification of a signal in a murine retrovirus that is sufficient for packaging of nonretroviral RNA into virions," (1988) <i>J. Virol.</i> 62:3802-3806		
	C2	Adams et al., "Activators of peroxisome proliferator-activated receptor gamma have depot-specific effects on human preadipocyte differentiation," (1997) <i>J Clin Invest</i> 100:3149-3153		
	C3	Altschul, S.F. et al., "Basic local alignment search tool," (1990) <i>J. Mol. Biol.</i> 215:403-410		
	C4	Anderson, N.L. et al., "A comparison of selected mRNA and protein abundances in human liver," (1997) <i>Electrophoresis</i> 18:533-537		
	C5	Antinozzi, P.A. et al., "Metabolic engineering with recombinant adenoviruses," (1999) <i>Annu. Rev. Nutr.</i> 19:511-544		
	C6	Armentano, D. et al., "Effect of internal viral sequences on the utility of retroviral vectors," (1987) <i>J. Virol.</i> 61:1647-1650		
	C7	Arndt, G.M. et al., "A rapid genetic screening system for identifying gene-specific suppression constructs for use in human cells," (2000) <i>Nucleic Acids Res.</i> 28:E15		
	C8	Auwerx, J., "PPAR γ , the ultimate thrifty gene," (1999) <i>Diabetologia</i> 42:1033-1049		
	C9	Baltimore, D., "Intracellular immunization," (1988) <i>Nature</i> 335:395-396		
	C10	Barroso et al., "Dominant negative mutations in human PPAR associated with severe insulin resistance, diabetes mellitus and hypertension," (1998) <i>Nature</i> 402:880-883		
	C11	Bauer, G. et al., "Inhibition of human immunodeficiency virus-1 (HIV-1) replication after transduction of granulocyte colony-stimulating factor-mobilized D34+cells from HIV-1-infected donors using retroviral vectors containing anti-HIV-1 genes," (1997) <i>Blood</i> 89:2259-2267		

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	C12	Bender, M.A. et al., "Evidence that the packaging signal of Moloney murine leukemia virus extends into the gag region," (1987) <i>J. Virol.</i> 61:1639-1646	
	C13	Bitter, G.A. et al. (1987) <i>Methods Enzymol.</i> 153:516-544	
	C14	Black, R.A. et al., "A metalloproteinase disintegrin that releases tumour-necrosis factor- from cells," (1997) <i>Nature</i> 385:729-733	
	C15	Blaese, R.M. et al., "T lymphocyte-directed gene therapy for ADA- SCID: initial trial results after 4 years," (1995) <i>Science</i> 270:475-480	
	C16	Blind, M. et al., "Cytoplasmic RNA modulators of an inside-out signal-transduction cascade," (1999) <i>Proc. Natl. Acad. Sci. USA</i> 96:3606-3610	
	C17	Boado, R.J. et al., "Drug delivery of antisense molecules to the brain for treatment of Alzheimer's disease and cerebral AIDS," (1998) <i>J. Pharm. Sci.</i> 87:1308-1315	
	C18	Bolton, A.E. et al., "The labelling of proteins to high specific radioactivities by conjugation to a 125I-containing acylating agent," (1973) <i>Biochem. J.</i> 133:529-539	
	C19	Bonyhadi, M.L., "RevM10-expressing T cells derived in vivo from transduced human hematopoietic stem-progenitor cells inhibit human immunodeficiency virus replication," (1997) <i>J. Virol.</i> 71:4707-4716	
	C20	Bordignon, C. et al., "Gene therapy in peripheral blood lymphocytes and bone marrow for ADA- immunodeficient patients," (1995) <i>Science</i> 270:470-475	
	C21	Boulay, J.-L. et al., "Expression vectors and delivery systems," (1998) <i>Curr. Opin. Biotechnol.</i> 9:445-450	
	C22	Brody, E.N. et al., "Aptamers as therapeutic and diagnosis agents," (2000) <i>J. Biotechnol.</i> 74:5-13	
	C23	Broglie, R. et al., "Light-regulated expression of a pea Ribulose-1,5-Bisphosphate Carboxylase small subunit gene in transformed plant cells," (1984) <i>Science</i> 224:838-843	
	C24	Brummelkamp, T.R. et al., "A system for stable expression of short interfering RNAs in mammalian cells," (2002) <i>Science</i> 296:550-553	
	C25	Buller, R.M. et al., "Decreased virulence of recombinant Vaccinia virus expression vectors is associated with a thymidine kinase-negative phenotype," (1985) <i>Nature</i> 317:813-815	
	C26	Burge, C. et al, "Finding the genes in genomic DNA," (1997) <i>J. Mol. Biol.</i> 268:78-94	

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		First Named Inventor	Uyen K. Tran
		Group Art Unit	1644
		Examiner Name	Unassigned
Sheet	4	of	14
		Attorney Docket Number	071949-9701

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C27	Burge, C. et al., "Prediction of complete gene structures in human genomic DNA," (1998) <i>Curr. Opin. Struct. Biol.</i> 8:346-354	
	C28	Burton, D.R., "A large array of human monoclonal antibodies to type 1 human immunodeficiency virus from combinatorial libraries of asymptomatic seropositive individuals," (1991) <i>Proc. Natl. Acad. Sci. USA</i> 88:10134-10137	
	C29	Capecchi, M.R., "Altering the genome by homologous recombination," (1989) <i>Science</i> 244:1288-1292	
	C30	Caruthers, M.H. et al., "New chemical methods for synthesis in polynucleotides," (1980) <i>Nucleic Acids Symp. Ser.</i> 7:215-223	
	C31	Cavazzana-Calvo, M. et al., "Gene therapy of human severe combined immunodeficiency (SCID)-X1 disease," (2000) <i>Science</i> 288:669-672	
	C32	Chang, C.-C. et al., "Evolution of a cytokine using DNA family shuffling," (1999) <i>Nat. Biotechnol.</i> 17:793-797	
	C33	Chen, L. et al., "Overexpression of matrix Gla protein mRNA in malignant human breast cells: isolation by differential cDNA hybridization," (1990) <i>Oncogene</i> 5:1391-1395	
	C34	Chicz, R.M. et al., "High-performance liquid chromatography: effective protein purification by various chromatographic modes," (1990) <i>Methods Enzymol.</i> 182:392-421	
	C35	Christians, F.C. et al., "Directed evolution of thymidine kinase for AZT phosphorylation using DNA family shuffling," (1999) <i>Nat. Biotechnol.</i> 17:259-264	
	C36	Chung, T.D., "Characterization of the role of IL-6 in the progression of prostate cancer," (1999) <i>Prostate</i> 15:199-207	
	C37	Clarke, M.L. et al., "Comparative analysis of artificial antisense RNA regulation in fission yeast and human cells," (2000) <i>Biochem. Biophys. Res. Commun.</i> 268:8-13	
	C38	Colbere-Garapin, F. et al., "A new dominant hybrid selective marker for higher eukaryotic cells," (1981) <i>J. Mol. Biol.</i> 150:1-14	
	C39	Cole, S.P. et al., "Human monoclonal antibodies," (1984) <i>Mol. Cell Biol.</i> 62:109-120	
	C40	Coruzzi, G. et al., "Tissue-specific and light-regulated expression of a pea nuclear gene encoding the small subunit of rebose-1,5-bisphosphate carboxylase," (1984) <i>EMBO J.</i> 3:1671-1680	
	C41	Cote, R.J. et al., "Generation of human monoclonal antibodies reactive with cellular antigens," (1983) <i>Proc. Natl. Acad. Sci. USA</i> 80:2026-2030	

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	C42	Cramer, A. et al., "Improved green fluorescent protein by molecular evolution using DNA shuffling," (1996) <i>Nat. Biotechnol.</i> 14:315-319		
	C43	Crystal, R.G. et al., "A Phase 1 study, in cystic fibrosis patients, of the safety, toxicity, and biological efficacy of a single administration of a replication deficient, recombinant adenovirus carrying the cDNA of the normal cystic fibrosis transmembrane conductance regulator gene in the lung," (1995) <i>Hum. Gene Therapy</i> 6:643-666		
	C44	Crystal, R.G. et al., "Evaluation of repeat administration of a replication deficient, recombinant adenovirus containing the normal cystic fibrosis transmembrane conductance regulator cDNA to the airways of individuals with cystic fibrosis," (1995) <i>Hum. Gene Therapy</i> 6:667-703		
	C45	Crystal, R.G., "Transfer of genes to humans: Early lessons and obstacles to success," (1995) <i>Science</i> 270:404-410		
	C46	Csete, M.E. et al., "Efficient gene transfer to pancreatic islets mediated by adenoviral vectors," (1995) <i>Transplantation</i> 27:263-268		
	C47	Cunningham, B.C. et al., "Rational design of receptor-specific variants of human growth hormone," (1991) <i>Proc. Natl. Acad. Sci. USA</i> 88:3407-3411		
	C48	de la Fuente, M.A. et al., "CD84 leukocyte antigen is a new member of the Ig superfamily," (1997) <i>Blood</i> 90:2398-2405		
	C49	Davis, "The Many Faces of Epidermal Growth Factor Repeats," <i>The New Biologist</i> , Vol. 2, No. 5 (May), 1990, pp. 410-419		
	C50	Dryga, S.A. et al., "Identification of mutations in a sindbis virus variant able to establish persistent infection in BHK cells: The importance of a mutation in the nsP2 gene," (1997) <i>Virology</i> 228:74-83		
	C51	Dull, T. et al., "A third-generation lentivirus vector with a conditional packaging system," (1998) <i>J. Virol.</i> 72:8463-8471		
	C52	Duplaa, C. et al., "Quantitative analysis of polymerase chain reaction products using biotinylated dUTP incorporation," (1993) <i>Anal. Biochem.</i> 212:229-236		
	C53	Eddy, S.R., "Hidden markov models," (1996) <i>Curr. Opin. Struct. Biol.</i> 6:361-365		
	C54	Elbashir, S.M. et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells," (2001) <i>Nature</i> 411:494-498		
	C55	Engelhard, E.K. et al., "The insect tracheal system: a conduit for the systemic spread of Autographa californica M nuclear polyhedrosis virus," (1994) <i>Proc. Natl. Acad. Sci. USA</i> 91:3224-3227		

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	C56	Fields, S. et al., "A novel genetic system to detect protein-protein interactions," (1989; <i>Nature</i> 340:245-246	
	C57	Fire, A. et al., "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> ," (1998) <i>Nature</i> 391:806-811	
	C58	Garoff, H. et al., Recent advances in gene expression using alphavirus vectors," (1998) <i>Curr. Opin. Biotechnol.</i> 9:464-469	
	C59	Gatti, R.A. et al., "Localization of an ataxia-telangiectasia gene to chromosome," (1988) <i>Nature</i> 336:577-580	
	C60	Gebe, J.A., "Molecular cloning, mapping to human chromosome 1q21-q23, and cell binding characteristics of Spq, a new member of the scavenger receptor cysteine-rich (SRCR) family of proteins," (1997) <i>J. Biol. Chem.</i> 272:6151-6158	
	C61	Goins, W.F. et al., "Herpes simplex virus type 1 vector-mediated expression of nerve growth factor protects dorsal root ganglion neurons from peroxide toxicity," (1999) <i>J. Virol.</i> 73:519-532	
	C62	Gold, L.I., "The role for transforming growth factor- β (TGF- β) in human cancer," (1999) <i>Crit. Rev. Oncog.</i> 10:303-360	
	C63	Goldman, C.K. et al., "In vitro and in vivo gene delivery mediated by a synthetic polycationic amino polymer," (1997) <i>Nat. Biotechnol.</i> 15:462-466	
	C64	Gossen, M. et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," (1992) <i>Proc. Natl. Acad. Sci. USA</i> 89:5547-5551	
	C65	Gossen, M. et al., "Transcriptional activation by tetracyclines in mammalian cells," (1995) <i>Science</i> 268:1766-1769	
	C66	Graham, F.L. et al., "A new technique for the assay of infectivity of human adenovirus 5 DNA," (1973) <i>Virology</i> 52:456-467	
	C67	Gregoire et al., "Understanding adipocyte differentiation," (1998) <i>Physiol. Reviews</i> 78:783-809	
	C68	Gura, T., "A silence that speaks volumes," (2000) <i>Nature</i> 404:804-808	
	C69	Haft, D.H. et al., "TIGRFAMs: a protein family resource for the functional identification of proteins," (2001) <i>Nucleic Acids Res.</i> 29:41-43	
	C70	Harrington, J.J. et al., "Formation of de novo centromere and construction of first-generation human artificial microchromosomes," (1997) <i>Nat. Genet.</i> 15:345-355	

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	C71	Harrington, M.G., "Elution of protein from gels," (1990) <i>Methods Enzymol.</i> 182:488-495	
	C72	Hartman, S.C. et al., "Two dominant-acting selectable markers for gene transfer studies in mammalian cells," (1988) <i>Proc. Natl. Acad. Sci. USA</i> 85:8047-8051	
	C73	Heller, R.A. et al., "Discovery and analysis of inflammatory disease-related genes using cDNA microarrays," (1997) <i>Proc. Natl. Acad. Sci. USA</i> 94:2150-2155	
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	C76	Horn, T. et al., "Synthesis of oligonucleotides on cellulose. Part II: design and synthetic strategy to the synthesis of 22 oligodeoxynucleotides coding for Gastric Inhibitory Polypeptide (GIP)," (1980) <i>Nucleic Acids Symp. Ser.</i> 7:225-232	
	C77	Hotasmisligil, "The role of TNF α and TNF receptors in obesity and insulin resistance," (1999) <i>J Intern Med</i> 245:621-625	
	C78	Howard, A.D. et al., "Orphan G-protein-coupled receptors and natural ligand discovery," (2001) <i>Trends Pharmacol. Sci.</i> 22:132-140	
	C79	Huse, W.D. et al., "Generation of a large combinatorial library of the immunoglobulin repertoire in Phage Lambda," (1989) <i>Science</i> 246:1275-1281	
	C80	Ivics, Z., "Molecular reconstruction of sleeping beauty, a Tc1-like transposon from fish, and its transposition in human cells," (1997) <i>Cell</i> 91:501-510	
	C81	Khazaie, K. et al., "EGF receptor in neoplasia and metastasis," (1993) <i>Cancer and Metastasis Rev.</i> 12:255-274	
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		Filing Date	11/25/2003
		First Named Inventor	Uyen K. Tran
		Group Art Unit	1644
		Examiner Name	Unassigned
Sheet 8 of 14	Attorney Docket Number	071949-9701	

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	C86	Lagerstrom, M. et al., "Capture PCR: efficient amplification of DNA fragments adjacent to a known sequence in human and YAC DNA," (1991) <i>PCR Methods Applic.</i> 1:111-119	
	C87	Lander, E.S. et al., "Strategies for studying heterogeneous genetic traits in humans by using a linkage map of restriction fragment length polymorphisms," (1986) <i>Proc. Natl. Acad. Sci. USA</i> 83:7353-7357	
	C88	Lee, S.W. et al., "Down-regulation of a member of the S100 gene family in mammary carcinoma cells and reexpression by azadeoxycytidine treatment," (1992) <i>Proc. Natl. Acad. Sci. USA</i> 89:2504-2508	
	C89	Letunic, I. et al., "Recent improvements to the SMART domain-based sequence annotation resource," (2002) <i>Nucleic Acids Res.</i> 30:242-244	
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	C92	Logan, J. et al., "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection," (1984) <i>Proc. Natl. Acad. Sci. USA</i> 81:3655-3659	
	C93	Lois, C. et al., "Germline transmission and tissue-specific expression of transgenes delivered by lentiviral vectors," (2002) <i>Science</i> 295:868-872	
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	C100	Matthews, D.J. et al., "Engineering an interfacial zinc site to increase hormone-receptor affinity," (1994) <i>Chem. Biol.</i> 1:25-30	
	C101	McGregor, D.P. et al., "Spontaneous assembly of bivalent single chain antibody fragments in <i>Escherichia Coli</i> ," (1994) <i>Mol. Immunol.</i> 31:219-226	
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	C104	Mendoze, L.G. et al., "High-throughput microarray-based enzyme-linked immunosorbent assay (ELISA)," (1999) <i>Biotechniques</i> 27:778-788	
	C105	Miller, A.D., "Progress toward human gene therapy," (1990) <i>Blood</i> 76:271-278	
	C106	Mitra, R.D. et al., "Fluorescence resonance energy transfer between blue-emitting and red-shifting excitation derivatives of the green fluorescent protein," (1996) <i>Gene</i> 173:13-17	
	C107	Morgan, R.A. et al., "Human gene therapy," (1993) <i>Annu. Rev. Biochem.</i> 62:191-217	
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	C116	Oba, K. et al., "Two putative tumor suppressor genes on chromosome 8p may play different roles in prostate cancer," (2001) <i>Cancer Genet. Cytogenet.</i> 124: 20-26	
	C117	Orlandi, R. et al., "Cloning immunoglobulin variable domains for expression by the polymerase chain reaction," (1989) <i>Proc. Natl. Acad. Sci. USA</i> 86:3833-3837	
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	C131	Roberge, J.Y. et al., "A strategy for a convergent synthesis of N-linked glycopeptides on a solid support," (1995) <i>Science</i> 269:202-204	
	C132	Rossi, F.M.V. et al., "Recent advances in inducible gene expression systems," (1998) <i>Curr. Opin. Biotechnol.</i> 9:451-456	
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	C135	Sagot, I. et al., "Imaging fluorescence resonance energy transfer between two green fluorescent proteins in living yeast," (1999) <i>FEBS Letters</i> 447:53-57	
	C136	Sandig, V. et al., "Gene transfer into hepatocytes and human liver tissue by baculovirus vectors," (1996) <i>Hum. Gene Ther.</i> 7:1937-1945	
	C137	Sarkar, G., "Restriction-site PCR: a direct method of unknown sequence retrieval adjacent to a known locus by using universal primers," (1993) <i>PCR Methods Applic.</i> 2:318-322	
	C138	Scanlon, K.J. et al., "Oligonucleotide-mediated modulation of mammalian gene expression," (1995) <i>FASEB J.</i> 9:1288-1296	
	C139	Scharf, D. et al., "Heat stress promoters and transcription factors," (1994) <i>Results Probl. Cell Differ.</i> 20:125-162	
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	C154	Su, L., "Hematopoietic stem cell-based gene therapy for acquired immunodeficiency syndrome: efficient transduction and expression of RevM10 in myeloid cells in vivo and in vitro," (1997) <i>Blood</i> 89:2283-2290	
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	C160	Thomson, J.A. et al., "Embryonic stem cell lines derived from human blastocysts," (1998) <i>Science</i> 282:1145-1147	
	C161	Trask, B.J., "Fluorescence in situ hybridization," (1991) <i>Trends Genet.</i> 7:149-154	
	C162	Triglia, T. et al., "A procedure for in vitro amplification of DNA segments that lie outside the boundaries of known sequences," (1988) <i>Nucleic Acids Res.</i> 16:8186	
	C163	Uckert, W. et al., "Retrovirus-mediated gene transfer in cancer therapy," (1994) <i>Pharmacol. Ther.</i> 63:323-347	
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		Application Number	10/535,635
		Filing Date	11/25/2003
		First Named Inventor	Uyen K. Tran
		Group Art Unit	1644
		Examiner Name	Unassigned
Sheet 14 of 14	Attorney Docket Number	071949-9701	

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